

Comparisons of Job Characteristics

Focus Occupation: [Construction Laborers \(47-2061\)](#)

Associated Occupation: [Highway Maintenance Workers \(47-4051\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 73

Focus Occupation: Construction Laborers (47-2061)

Associated Occupation: Highway Maintenance Workers (47-4051)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Public Safety and Security	6.9	14.2	10.6	<< Extensive education and/or training may be required
Building and Construction	4.0	12.2	16.8	>> Current knowledge level is likely more than sufficient
Transportation	4.6	10.6	8.0	<< Extensive education and/or training may be required
Law and Government	5.9	10.2	5.0	<< Extensive education and/or training may be required
Telecommunications	3.9	6.9	4.3	<< Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 82

Focus Occupation: Construction Laborers (47-2061)

Associated Occupation: Highway Maintenance Workers (47-4051)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Operation and Control	5.4	11.4	8.1	<< Extensive development of skills in this area may be required
Operation Monitoring	6.6	11.4	7.9	<< Extensive development of skills in this area may be required
Troubleshooting	4.5	8.5	4.8	<< Extensive development of skills in this area may be required
Quality Control Analysis	5.9	8.4	5.5	<< Extensive development of skills in this area may be required

Equipment Maintenance	3.5	8.3	4.6	<<	Extensive development of skills in this area may be required
Repairing	3.4	7.9	4.0	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 83			
Focus Occupation: Construction Laborers (47-2061) Associated Occupation: Highway Maintenance Workers (47-4051)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Control Precision	6.6	13.3	9.6	<<	Extensive improvement in abilities may be required
Multilimb Coordination	6.0	12.9	10.6	<	Some improvement in abilities may be required
Reaction Time	4.8	10.8	6.1	<<	Extensive improvement in abilities may be required
Auditory Attention	5.9	10.5	7.2	<<	Extensive improvement in abilities may be required
Rate Control	3.8	9.8	6.7	<<	Extensive improvement in abilities may be required
Response Orientation	4.0	9.8	6.4	<<	Extensive improvement in abilities may be required
Speed of Limb Movement	3.2	8.7	5.1	<<	Extensive improvement in abilities may be required
Spatial Orientation	2.7	6.9	4.5	<<	Extensive improvement in abilities may be required
Peripheral Vision	2.2	5.5	4.5	<	Some improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 92	
Focus Occupation: Construction Laborers (47-2061) Associated Occupation: Highway Maintenance Workers (47-4051)			
Work Activities		Exclusivity of Activity	
Adhere to safety procedures		12	
Apply adhesives, caulking, sealants, or coatings		45	
Dig holes or trenches for foundations, posts, poles, or related items		78	
Fabricate, assemble, or disassemble manufactured products by hand		11	
Measure and mark lay out for construction projects		89	
Mix paint, ingredients, or chemicals, according to specifications		35	

Move materials or goods between work areas	72
Move or fit heavy objects	8
Operate jackhammer	87
Operate pneumatic tamper to patch pavement or tamp earth	89
Operate power construction equipment	84
Read tape measure	41
Understand construction specifications	53
Use concrete fabrication techniques	74
Use hand or power tools	2

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 86

Focus Occupation: Construction Laborers (47-2061)
Associated Occupation: Highway Maintenance Workers (47-4051)

Tools and Technologies	Exclusivity
Aerial lifts	13
Agricultural machinery for harvesting	35
Building construction machinery and accessories	25
Cleaning equipment	11
Compressors	9
Dispensing tools	6
Dispersing and spraying appliances for agriculture	26
Drilling and operation machinery	29
Earth moving machinery	11
Floor machines and accessories	24
Forming tools	2
Garden tools	12
Heating equipment and parts and accessories	19
Heavy equipment components	21
Holding and clamping tools	3
Ladders and scaffolding	6
Land surveying instruments	19
Length and thickness and distance measuring instruments	2
Lifting equipment and accessories	3
Paint applicators and painting accessories	15
Passenger motor vehicles	13
Paving equipment	35
Personal communication devices	2
Pneumatic tools	8
Power generators	16
Power tools	2
Product and material transport vehicles	13

Pumps	9
Rock drills	56
Soldering and brazing and welding machinery and supplies	6
Wrenches and drivers	2

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.